

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
ATHENS, GEORGIA 30605

Site: A.L. Taylor
Break: 2.2
Other: _____

DATE: JUN 20 1979

SUBJECT: Status Report for Smith's Dump Site Near Shepherdsville, KY

FROM: Water Surveillance Branch

TO: See Below

THRU: M. D. Lair, Chief
Engineering Section

SUMMARY

Analyses of water and sediment samples collected from the unnamed tributary receiving leachate drainage from the Smith's Dump site did not indicate the presence of any pesticides, PCB's or other chlorinated compounds. The leachate stream itself was free of any of the same compounds. However, screening of extractable organic compounds did reveal the presence of several unidentified organic compounds ranging from <5 to 5,000 µg/l (parts per billion). Metal analyses for the water and sediment samples collected from the unnamed tributary did not reveal any metal concentrations of concern. Metal analyses from the leachate stream were relatively low, while the sediment contained 1,032 µg/g (parts per million) of chromium and 104 µg/g of lead. When the extractable organics analyses are completed, those data will be forwarded.

ACTION

For your information and use.

BACKGROUND

Memo from William R. Davis dated May 17, 1979: "Investigation of Smith's Dump Site near Shepherdsville, KY."

William R. Davis
William R. Davis

Attachment

Addressees:

Enforcement Division
Turnipseed
Stonebraker

Water Division
Traina
Hutchinson/McClanahan

AHMD
Devine
Scarborough/Dickinson

S&A Division
Finger/Adams
Lair/Carter
Carroll/Bennett
Tebo



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region IV, Athens, GA

DATE: June 1, 1979

SUBJECT: Results of Volatile Organic Analyses, Water Samples,
Smith's Dump, Sheperdsville, KY

FROM: Chief, Analytical Services Section
Laboratory Services Branch

TO: Doug Lair, Chief
Engineering Section

Attached are the results of volatile organic analysis performed
on the subject samples, received by LSB on 4/20/79.

These samples were analyzed by Versar, Inc., Springfield, Virginia.
Their reported quality control data supports the validity of these
analyses.

Analyses were performed by purge and trap gas chromatography/mass
spectrometry.



Tom B. Bennett, Jr.

Enclosures

PROJECT, Smith's Dump
Sheperdsville, KY

CHEMIST Tom B. Bennett, Jr. REC'D. 4/20/79 COMPL'D 5/31/79

SAD No.	79C 1028	79C 1029	79C 1032
SOURCE & STATION	BL-1, Approx. 100 yds. upstream from Leachate Streams	BL-2, Bluelick Creek, Downstream from Stream lead- ing from site	SS-1, Leachate Stream, base of Hill, above Rd. Downstream of Pond
DATE/TIME	4/19/79 @ 1615	4/19/79 @ 1645	4/19/79 @ 1600
COMPOUND units - ug/l			
Chloromethane	ND (1)	ND (1)	ND (1)
Bromomethane	ND (1)	ND (1)	ND (1)
Vinyl Chloride	ND (1)	ND (1)	4
Chloroethane	ND (1)	ND (1)	ND (1)
Methylene Chloride	ND (1)	ND (1)	330
Trichlorofluoromethane	ND (1)	ND (1)	ND (1)
1,1-Dichloroethylene	ND (1)	ND (1)	ND (1)
1,1-Dichloroethane	ND (1)	ND (1)	ND (1)
Trans-1,2-Dichloroethene	ND (1)	ND (1)	ND (1)
Chloroform	ND (1)	ND (1)	1
1,2-Dichloroethane	ND (1)	ND (1)	ND (1)
1,1,1-Trichloroethane	ND (1)	ND (1)	15
Carbontetrachloride	ND (1)	ND (1)	ND (1)
Bromodichloromethane	ND (1)	ND (1)	ND (1)
1,2-Dichloropropane	ND (1)	ND (1)	ND (1)
Trans-1,3-Dichloropropene	ND (1)	ND (1)	ND (1)
Trichloroethylene	ND (1)	ND (1)	30
Benzene	ND (1)	ND (1)	5
Cis-1,3-Dichloropropene	ND (1)	ND (1)	ND (1)
1,1,2-Trichloroethane	ND (1)	ND (1)	3
Dibromochloromethane	ND (1)	ND (1)	ND (1)
Bromoform	ND (1)	ND (1)	ND (1)
Tetrachloroethylene	ND (1)	ND (1)	3
1,1,2,2,-Tetrachloroethane	ND (1)	ND (1)	ND (1)
Toluene	ND (1)	ND (1)	285
Chlorobenzene	ND (1)	ND (1)	1
Ethyl Benzene	ND (1)	ND (1)	44
Acrolein	ND (10)	ND (10)	ND (10)
Acrylonitrile	ND (10)	ND (10)	11

ND - None Detected; number in parenthesis is the minimum detection limit.

Region IV, Athens, GA

DATE: June 1, 1979

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Smith's Dump, Shepherdsville, KY

FROM: Chief, Analytical Services Section
Laboratory Services Branch

TO: Doug Lair, Chief
Engineering Section

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